Fanless Embedded Computers

LYRA

Industrial IoT Gateway based on the NXP i.MX 6SoloX Processor

Enhance your edge capabilities with a Synthetic Brain



AI-ENABLED WITH CLEA

HIGHLIGHTS

CPU
NXP i.MX 6SoloX Processor

CONNECTIVITY
up to 2x Fast Eth; WiFi + BTLE; optional LTE Cat4 modem onboard; 3x Multicolor Signalling LEDs; 1x RS-232 port; 1x RS-485 port; 2x CAN port

GRAPHICS
N.A.

MEMORY
32-bit DDR3L memory soldered onboard

GOLD PARTNER NXP

Linux

MAIN FIELDS OF APPLICATION

- Digital Signage - Infotainment
- Energy
- Home Automation
- Metering
- Multimedia devices
- Surveillance

FEATURES

Processor	NXP i.MX 6SoloX, Single core Cortex®-A9 @ 1GHz + Cortex®-M4 core @ 227MHz
Memory	32-bit DDR3L memory soldered onboard, up to 1GB
Mass Storage	8GB eMMC drive on-board µSD Card Slot 1MB SPI Flash
Networking	Up to 2 x FastEthernet RJ-45 ports Onboard 2.4GHz WiFi (802.11 b/g/n) + BT LE combo module with external antenna (optionally available in Dual Band -2.4Ghz and 5GHz- version with 2x external antennas and 802.11a support, factory alternatives) Optional LTE Cat4 Modem embedded on-board, with 2 external antennas microSIM or electronic SIM soldered on-board for the optional Modem
USB	1 x USB 2.0 Type-A socket 1 x USB 2.0 OTG on micro-AB connector
Serial Ports	1x RS-232 port 1x RS-485 port 2x CAN Port
Other Interfaces	4x analog inputs I2C Bus 2x PWM Power On/OFF Button Reset Button 3x Multicolor Signalling LEDs

Power Supply	+12V_{DC} DC power jack and 2-poles PCB terminal block for voltage supply 2200mAh Li-Ion Rechargeable battery
Operating System	Linux with Edgehog Services installed
Operating Temperature*	0°C ÷ +50°C
Optional accessories	DIN rail bracket kit
Dimensions	205 x 95.50 x 40.25mm

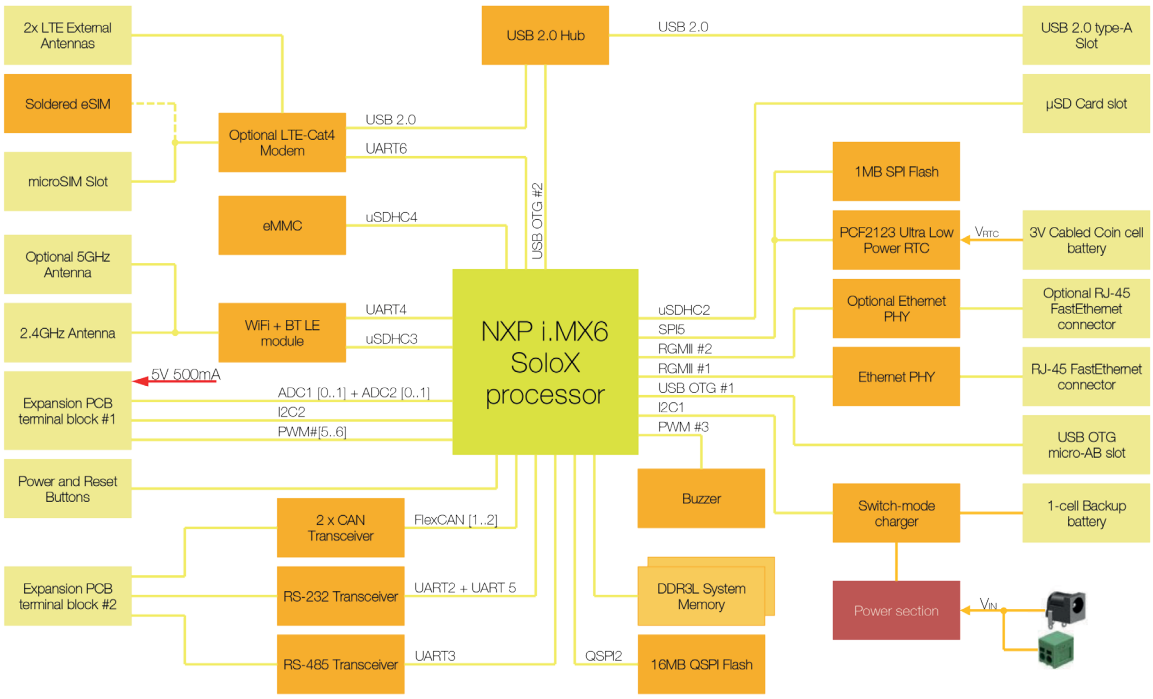
*Environment temperature measured near the heatsink's fins. Upon customer to verify that the temperature remains within the admissible range.

Information subject to change. Please visit www.seco.com to find the latest version of this datasheet

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BLOCK DIAGRAM



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